

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009637

A. CLASSIFICATION OF SUBJECT MATTER
Int.Cl⁷ A61M5/00, A61M5/145

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ A61M5/00, A61M5/145

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2004	Jitsuyo Shinan Toroku Koho	1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 1-265973 A (Baxter International, Inc.), 24 October, 1989 (24.10.89), Claim 3; Figs. 11B, 11C & EP 302752 A2 & US 4925444 A	1 2
X Y	JP 62-34571 A (Baxter Travenol Laboratories, Inc.), 14 February, 1987 (14.02.87), Claim 1; Figs. 2 to 5 & EP 226268 A2 & US 4785799 A	1 2
X Y	JP 55-158054 A (Siemens AG.), 09 December, 1980 (09.12.80), Page 25, line 13 to page 26, line 4; Figs. 6, 7 & DE 2920976 A & EP 19814 A1	1 2

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search
04 October, 2004 (04.10.04)Date of mailing of the international search report
26 October, 2004 (26.10.04)Name and mailing address of the ISA/
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009637

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 55-119711 A (Nikkiso Co., Ltd.),	1
Y	13 September, 1980 (13.09.80), Claim 1; page 29, lines 9 to 16; Fig. 5 (Family: none)	2
Y	JP 2003-505211 A (Medrad, Inc.), 12 February, 2003 (12.02.03), Claim 4 & WO 2001/008730 A1 & US 6339718 B1 & EP 1202760 A	2.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009637

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 30
because they relate to subject matter not required to be searched by this Authority, namely:
Claim 30 pertains to methods for treatment of the human body by surgery or therapy and thus relates to a subject matter which this International Searching Authority is not required, under the provisions of Article 17(2) (a) (i) of the PCT (continued to extra sheet.)
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

"The medicine infuser" of claim 1 is obvious from what is described in the documents listed below or from the disclosure by the document.

Consequently, the invention of claim 1 is not novel nor involve any inventive concept. Since the invention makes no contribution over the prior art, claim 1 does not involve any special technical feature within the meaning of PCT Rule 13.2, second sentence.

Therefore, there is no technical feature common to claim 1 and claims 2-29, 31, 32.

There exist no other common technical features considered as special technical features (continued to extra sheet.)

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: 1, 2

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009637

Continuation of Box No.II-1 of continuation of first sheet(2)

and Rule 39.1(iv) of the Regulations under the PCT, to search.

Continuation of Box No.III of continuation of first sheet(2)

within the meaning of PCT Rule 13.2, second sentence, no technical relationship within the meaning of PCT Rule 13 between the different inventions can be seen.

Consequently, claims 1-29, 31, 32 do not satisfy the unity of invention.

Claim 2 relates to "a medicine infuser" characterized in that it comprises "quantity calculation means", and "the image generating means generates data on the condition image given the infusion quantity in the form of text data".

Claims 3, 4 relate to "a medicine infuser" characterized in that "the infusion quantity" and "the infusion speed" are entered and controlled.

Claim 5 relates to "a medicine infuser" characterized in that "the condition entering means receives entry of the infusion conditions on the one infusion executing means".

Claim 6 relates to "a medicine infuser" characterized in that "it comprises the plurality of infusion executing means, and the condition entering means receives entry of at least one infusion condition for each of the medicines".

Claim 7 relates to "a medicine infuser" characterized in that "it comprises the plurality of infusion executing means, and the image generating means generate data on the condition image in a different color for each of the medicines".

Claim 8 relates to "a medicine infuser" characterized in that "the condition entering means receives entry of a vertical shift and a horizontal shift at the left and right ends of the condition image displayed on the image displaying means".

Claims 9-12 relate to "a medicine infuser" characterized by comprising specific "speed storage means" and "warning annunciating means".

Claim 13 relates to "a medicine infuser" characterized by comprising specific "image displaying means".

Claims 14-17 relate to "a medicine infuser" characterized by comprising "confirmation entering means for receiving entry of confirmation instruction".

Claim 18 relates to "a medicine infuser" characterized by comprising a specific "display panel", "a cylinder holding mechanism", and "piston drive mechanism".

Claims 19, 20 relate to "a medicine infuser" characterized by comprising a specific "touch panel".

Claim 21 relates to "a medicine infuser" characterized by comprising a specific "condition storage means", "an image generating means", and "a condition entering means".

Claim 22 relates to "a medicine infuser" characterized by comprising a specific "image storage means", "section display means", "section entering means", "portion display means", "portion entering means", "infusion executing means", "condition entering means", "condition storage means", and "infusion control means".

Claims 23, 24 relate to "a medicine infuser" characterized by a specific "condition correction means". (continued to the next extra sheet.)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009637

Claims 25, 26 relate to "a medicine infuser" characterized by comprising a specific "body entering means" and "condition correction means".

Claims 27, 28 relate to "a medicine infuser" characterized by comprising a specific "infusion executing means".

Claim 29 relates to "a transmission imaging system".

Claims 31, 32 relate to "a computer program for a medicine infuser", or "information storage medium storing a computer program".